

Comparisons of Job Characteristics

Focus Occupation: **Construction Managers (11-9021)**

Associated Occupation: **Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 65

Focus Occupation: Construction Managers (11-9021)

Associated Occupation: Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Engineering and Technology	5.7	18.9	15.3	<<	Extensive education and/or training may be required
Design	5.2	15.9	14.4	<	Expanded education and/or training may be required
Mathematics	9.2	15.1	12.6	<	Expanded education and/or training may be required
Physics	4.3	14.1	6.4	<<	Extensive education and/or training may be required
Public Safety and Security	6.9	14.0	12.2	<	Expanded education and/or training may be required
Chemistry	4.8	13.0	4.8	<<	Extensive education and/or training may be required
Law and Government	5.9	12.4	10.1	<	Expanded education and/or training may be required
Building and Construction	4.0	10.3	22.2	>>	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 57

Focus Occupation: Construction Managers (11-9021)

Associated Occupation: Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Critical Thinking	10.8	14.4	12.8	<	A higher skill level may be required

Science	4.5	12.4	5.8	<<	Extensive development of skills in this area may be required
Operations Analysis	5.0	11.0	11.1	0	Current skill level may be sufficient
Systems Analysis	6.5	10.6	10.7	0	Current skill level may be sufficient
Systems Evaluation	6.4	10.5	10.1	0	Current skill level may be sufficient
Technology Design	2.6	5.8	3.3	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 96

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Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Problem Sensitivity	11.1	15.3	14.2	0	Current ability level may be sufficient
Inductive Reasoning	10.2	14.3	10.8	<<	Extensive improvement in abilities may be required
Deductive Reasoning	10.6	14.1	13.0	0	Current ability level may be sufficient
Written Comprehension	11.0	14.1	13.5	0	Current ability level may be sufficient
Written Expression	9.8	13.4	11.4	<	Some improvement in abilities may be required
Near Vision	11.1	12.7	12.2	0	Current ability level may be sufficient
Information Ordering	9.9	11.9	11.8	0	Current ability level may be sufficient
Fluency of Ideas	7.6	11.0	9.3	<	Some improvement in abilities may be required
Flexibility of Closure	7.8	10.9	10.3	0	Current ability level may be sufficient
Far Vision	7.8	10.2	12.0	>	Current ability level is likely sufficient
Speed of Closure	5.9	8.2	6.9	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 64

Focus Occupation: Construction Managers (11-9021)

Associated Occupation: Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111)

Work Activities	Exclusivity of Activity
Adhere to safety procedures	12
Compile information on findings from investigation of accidents	82
Direct and coordinate activities of workers or staff	3
Inspect facilities or equipment for regulatory compliance	51
Recommend action to ensure compliance	73

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 84

Focus Occupation: Construction Managers (11-9021)

Associated Occupation: Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111)

Tools and Technologies	Exclusivity
Business function specific software	1
Computer data input devices	2
Computers	1
Content authoring and editing software	1
Content management software	6
Data management and query software	1
Indicating and recording instruments	2
Industry specific software	1
Information exchange software	1
Light and wave generating and measuring equipment	4

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.